

March 3, 2011 NIST Smart Grid Privacy Subgroup Meeting Notes

Minutes by Rebecca Herold

Please send this distribution list any necessary corrections or additions.

Next full group teleconference meeting:

Thursday March 17, 2011 at 11:00am est

NOTE: We are now meeting only on the 1st and 3rd Thursdays of each month

Here are my summary notes from the meeting:

1. Meeting Notes

See all meeting minutes at <http://collaborate.nist.gov/twiki-sggrid/bin/view/SmartGrid/CSCTGPrivacy>

2. Team Updates

- Privacy Use Cases Team: Christine Hertzog, Smart Grid Library (team lead)
 - Team members working on assignments.
- PEV Team: Mike Coop, Hey Coop! (team lead) Chris Kotting reported in his place.
 - Chris K: Was no privacy meeting yesterday; there has been a lot of discussion in the mail lists about the nature of roaming; how likely to appear in the wild, where the customers' travels are tracked through their travel charging. A pay at the pump model is likely more; publically acceptable charging at the vendor, not anything going onto the customer energy bill. How much info would be between you and the location vendor? The vendor may need to know such things as vehicle make model, pay with credit card payment.
 - Ken Wacks: Battery swipe outs discussions?
 - Chris: Not yet. Primary issue is speed. Can have a fully charged vehicle in approx. same time as filling a tank with gas. A company in EU has modeled it, but not in widespread use yet.
 - Lee T: Wouldn't it be better to just recharge?
 - Chris: Swapping would be quicker than recharging.
 - Amanda: Will it record the vehicle's VIN number? Any talk?
 - Chris: Many ways are being considered for identifying the vehicle. One suggestion was to have an optical scanner where you charge that recognizes the vehicle.
 - Lee T: It isn't hard to set up a reader anywhere to track such info.
 - Ken: Purpose is to charge the car appropriate to the model, not to just do surveillance.
 - Lee T: Linking vehicle to an owner seems to be completely unnecessary.
 - Ken: That is what our team should do; point out the things that should and should not be needed for the charging.
 - Boris: Tracking is already in place today. What is the unique concern with PEV?
 - Chris: One is charging PEVs and then linking that charge to the customers' account. The team is looking at all the models to determine the privacy issues.
 - Martha: Does the utility then pay the charging vendor?

- Chris: Would work like the cell phone payments work now. Many talking about doing these settlements are not the utility companies.
- Martha: Would see that utility that was providing the service wouldn't need to know who the customer was if the in-home utility covered the charge.
- Chris: But they must know who you are so they can determine who to charge.
- Boris: Just having PII to identify someone is not a privacy concern.
- Meetings are on alternate Wednesdays at 9am est; 3pm est
- Training and Awareness Team: Rebecca Herold (team lead)
 - Sending out kick-off message tomorrow (Friday). Will share ideas and comments about what would be good possibilities, what works and what doesn't work.
 - PG&E sends customers brochures containing information about gas pipelines along with their bills every two years, but a recent survey the company sent to 15,302 customers suggested that few people know about pipelines in their area. Just 20 of the surveys were filled out and returned to the company, with 14 of those responses indicating that the customer had not seen any information about pipeline safety within the past two years.
- NSTIC Team: Amanda Stallings, Ohio PUC (team lead)
 - ***Currently on hold until final NSTIC plan is released***
- Review/Discuss Third Party Data Sharing Guidelines (attached): Brent Struthers, Neustar (Third Party team lead)
 - Lee Tien: Had a significant discussion about how the document was worded. Also about the underlying use cases.
 - Tanya, suggested the process going forward, asked everyone to hack on the draft, what the issues are, and send back to the team. Will have another round of drafting and comments. Suggest that for anyone else on this call to join the team or send to Tanya.

3. Miscellaneous

- Next full group meeting will be Thursday, March 17.
- Smart Grid Security East overview/summary
 - Chris: Mon – Wed was conference in Knoxville. 1st conference devoted to smart grid cyber security. They are being done twice a year.
 - Ken W: Private or gov't conference?
 - Chris: Private/public
 - Klaus: Proceedings?
 - Chris: Will be posted on the website soon. One session was a roundtable about customer data privacy. Sandy Bacik, Chris moderated, and Megan from Xcel, and Boris. Generated a lot of interesting discussion.
 - Lee T: Any discussion of NSTIC at all?
 - Chris: No. Just had one hour. Mike Ahmadi will be including privacy as a regular part of the conference. Was good to talk with the security folks to see their awareness of the privacy issues.
 - Klaus: Can send link?
 - Chris: Will do.
- Dutch study

- Klaus: Sent the English translation of the Dutch study. There is now a group working on a more constructive study.
- Just applies to Netherlands?
- Klaus: First study was for just Netherlands. Next study is looking at the impact throughout the entire EU. There are a number of expert groups now investigating both the legal and technical aspects. Report at end of March. Then goes to the commissioner. A large congress in April. Commission wants to have something fast after that. Not sure how long it will take. Would like to see something concrete in April, but don't know how long the process will take.
- Other thing to mention was the protocol from Microsoft. Another protocol to preserve the details from the charging locations. Is being tested in one location. University of ??? [I did not get this captured] and University of Lunden. Currently implementing on a meter and hope to send it around soon to see how it feasibly works.
- Would never see the data. Would just see the results of the computation that is needed for the applications and billing. Could even have a very high rate of data collection to be more accurate, and then much less of the private data will not be revealed. Technically papers discussing the protocols are available to the lawyers. This is building upon the Microsoft protocol, but is updated and slightly different. Technical reports may be available now or soon. Ask Klaus for the paper.
- Legislative action
 - Lee T: 1) on the third party call learned that Oklahoma has a bill regulating 3rd party access to smart meter data. (NOTE: See Oklahoma House Bill 1079 at <http://www.oklegislature.gov/BillInfo.aspx?Bill=HB1079&Tab=0>). 2) California process, there has not been a decision yet. Was expected in February, but seems to have been delayed. Hopefully in next two weeks a decision released.
- Martha: Anyone going to the IAPP?
 - Boris S will be there.
 - Want those attending to get together and meet face-to-face.

Thanks,

Rebecca